

Mumbai University

Question Paper



B.Sc.IT: Semester - V
ASP.NET With C#

November - 2017 | 75:25 Pattern

Time: 2 ½ Hours**Total Marks:** 75**N.B.:** (1) All Question are Compulsory.

(2) Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.

(3) Answer To The Same Question Must Be Written Together.

(4) Number To The Right Indicates Marks.

(5) Draw Neat Labeled Diagrams Wherever Necessary.

(6) Use of Non – Programmable Calculator is allowed.

Q.1 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) What is an Exception? Explain Exception Handling in C#. (5)
- (B) What is Polymorphism? Explain Runtime Polymorphism in C#. (5)
- (C) What is the difference between for loop and foreach loop? (5)
- (D) Write short note on Common Language Runtime (CLR) in .NET. (5)

Q.2 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) Differentiate between Private Assembly and Shared Assembly. (5)
- (B) Explain how Garbage Collection works in .NET. (5)
- (C) What is Selector in CSS? Explain various types of CSS Selectors. (5)
- (D) What is .NET Framework? Explain various components of .NET Framework 4.0. (5)

Q.3 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) List and explain the major events in global.asax file. (5)
- (B) What is the Code Behind and Inline Code? (5)
- (C) Write ASP.NET Code to display selected elements from the CheckBoxList on a label control. Elements on the label must be separated by a whitespace. (5)
- (D) Explain the following properties of ListBox Control: (5)
 - (i) *AutoPostBack*
 - (ii) *Items*

Q.4 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) Write necessary properties which are common for all validation controls. (5)
- (B) What is ViewState? How it works in ASP.NET? (5)
- (C) Explain TreeView Control in ASP.NET. (5)
- (D) Write ASP.NET Code to send data entered in two textboxes from one web page to another web page. Display the data on two separate labels. (5)

Q.5 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) What are the Authentication Mode in ASP.NET for security? (5)
- (B) What is the difference between ExecuteScalar and ExecuteNonQuery? (5)
- (C) Write a code to insert and update data into a SqlServer Database an ASP.NET Web Page. (5)
- (D) Explain DataAdapter class in ADO.NET? (5)

Q.6 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) Write the basic syntax of a LINQ Query in C#. (5)
- (B) What are the benefits using Ajax? Explain UpdateProgress Control in Ajax. (5)
- (C) Write a code to display all the number in array greater than 10 using LINQ. (5)
- (D) Explain the use of document.ready() function in jQuery. (5)

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Q.7 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Explain switch statement. What is fallthrough in switch? Is fallthrough permitted in C#? (5)
- (B) How to create and use External Style Sheet using Visual Studio Developer? (5)
- (C) Explain following two Web Server Controls: (5)
- (i) *LinkButton*
- (ii) *ImageButton*
- (D) What are Cookies? Explain various properties of HttpCookie Class. (5)
- (E) What is the Authentication and Authorization in ASP.NET? (5)
- (F) Write jQuery code to demonstrate the use of hide() and slideUp() functions on <p> element. (5)
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